B. Sandals

#6

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/664,186

DATE: 05/24/2002
TIME: 16:20:16

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Output Set: N:\CRF3\05242002\I664186.raw

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 2       Xu, Shuang-yong
 3 <120> TITLE OF INVENTION: Method For Construction Of Thermus-E. coli Shuttle
 4       Vectors And Identification of Two Thermus Plasmid
 5       Replication Origins
 6 <130> FILE REFERENCE: Thermus Shuttle Vector
 7 <140> CURRENT APPLICATION NUMBER: 09/664,186
 8 <141> CURRENT FILING DATE: 2000-09-18
10 <150> PRIOR APPLICATION NUMBER: US/09/134,246B
11 <151> PRIOR FILING DATE: 1998-08-14
13 <160> NUMBER OF SEQ ID NOS: 30
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47        1               5                  10                  15
48       gaa acc cac gac aac acc gat gcc act agg ggg tca gat agg ggg tca   96
49       Glu Thr His Asp Asn Thr Asp Ala Thr Arg Gly Ser Asp Arg Gly Ser
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53                    35                   40                    45
54      aat cgc ctc gcg aag ggc ttt aca tac caa aaa gag gca ctt agg att    192
55      Asn Arg Leu Ala Lys Gly Phe Thr Tyr Gln Lys Glu Ala Leu Arg Ile
56                    50                   55                    60
57      gct tta ccc gag aaa gac cat gag gct ttc ctt tcc tct gtt ggg gcc    240
58      Ala Leu Pro Glu Lys Asp His Glu Ala Phe Leu Ser Ser Val Gly Ala
59                    65                   70                   75                   80
60      ccc cct ata cca cca gct gaa ccc ccc gtt ggg aat gta tgt caa gcc    288
61      Pro Pro Ile Pro Pro Ala Glu Pro Pro Val Gly Asn Val Cys Gln Ala
62                          85                   90                    95
63      gtc cag gac ggg cct cag aag ctt ctg gaa ctc ctc cag gag att gcc    336
64      Val Gln Asp Gly Pro Gln Lys Leu Leu Glu Leu Leu Gln Glu Ile Ala
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66      cgc tcc acc atc ccc tac ggc aac cgg gag ctc tgg agg aag gtg ggg    384
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69      acg gtc gtc ttc atg gtc ccc ctg gag atg ttg gcc ctc aac ctg ggg    432
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77                    165                  170                   175
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79      Arg Ala Ile Gly Thr Leu Trp Ala Val Arg Leu Arg Pro Gly Lys Ala
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81      agg ctc acc ctg gac gac tac atc tac ccc tgg agg aac ctc gcc cta    624
82      Arg Leu Thr Leu Asp Asp Tyr Ile Tyr Pro Trp Arg Asn Leu Ala Leu
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84      gac atg gcc aac ggc gtg ctc tcc ttc aac tgg gtc aag gcc tac cag    672
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96      atc acc ctc att gct acg tac att gcc gat ctc cta gat gac cgt cgt    864
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103          Leu Pro Ala Gln Tyr Leu Phe Ala Val Leu Met Arg Val Ile Arg Asp
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105          tac acg gat ggc cat ctg aca cga ccg gga gcg tac cta gtg aag acc  1008
106          Tyr Thr Asp Gly His Leu Thr Arg Pro Gly Ala Tyr Leu Val Lys Thr
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